



Crop Progress and Condition

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In Cooperation with:
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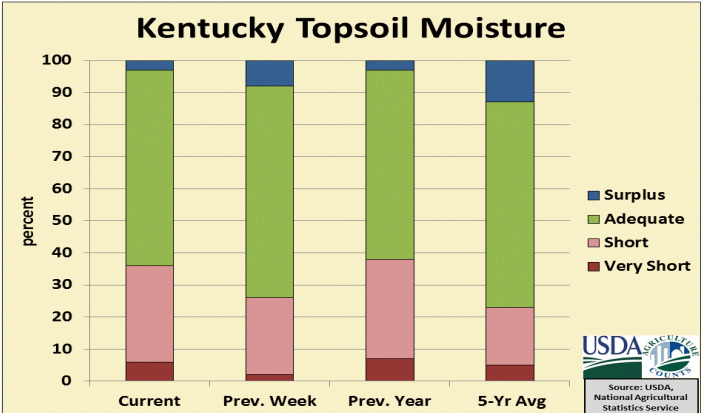
Agricultural News: Kentucky experienced below normal temperatures and rainfall over the past week. Precipitation for the week totaled 0.18 inches, 0.79 inches below normal. Temperatures averaged 73 degrees for the week, 4 degrees below normal. **Topsoil moisture** was rated 6 percent very short, 30 percent short, 61 percent adequate and 3 percent surplus. **Subsoil moisture** was rated 3 percent very short, 22 percent short, 71 percent adequate, and 4 percent surplus. Days suitable for fieldwork averaged 6.0 out of a possible seven.

Primary activities this week included harvesting hay, spraying soybeans, and topping tobacco. Dry conditions continued for western Kentucky, as central and western portions of the state saw little rainfall this week. Overall, crop conditions have started to decline as many areas are in need of precipitation. When scouting fields some farmers have noticed corn pollination problems from the heat and humidity earlier in the summer.

Throughout the season, the high frequency of rain events delayed producers from harvesting hay on time. Most expect second and third cuttings to be of higher quality. In eastern counties, where more ample rainfall has fallen recently, weed pressures have increased in hayfields and pastures. Hay and roughage supplies were reported as 4 percent very short, 19 percent short, 71 percent adequate, and 6 percent surplus.

SOIL MOISTURE for week ending 07/29/18

	Very Short	Short	Adequate	Surplus
	%	%	%	%
Topsoil	6	30	61	3
Subsoil	3	22	71	4



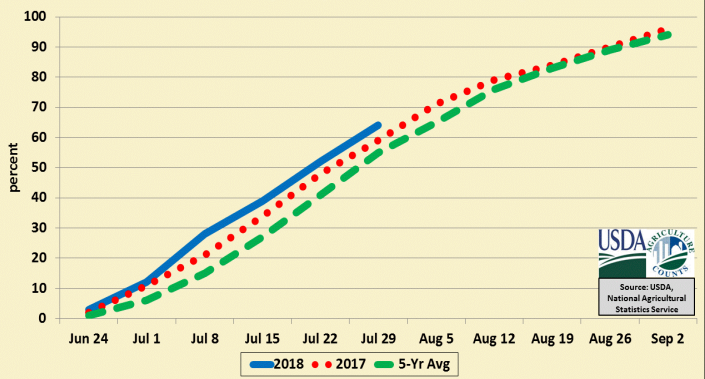
CROP PROGRESS for week ending 07/29/18

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
	%	%	%	%
Corn Silking	91	86	89	85
Corn Milked	67	53	62	53
Corn Dough	45	32	40	31
Corn Dent	16	5	17	11
Soybeans Blooming	64	52	59	55
Soybeans Setting Pods	41	30	37	30
Tobacco Blooming	57	44	58	53
Tobacco Topped	33	22	36	28

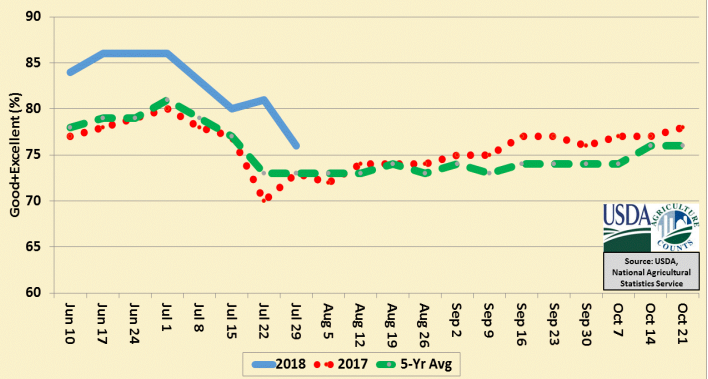
CROP CONDITIONS for week ending 07/29/18

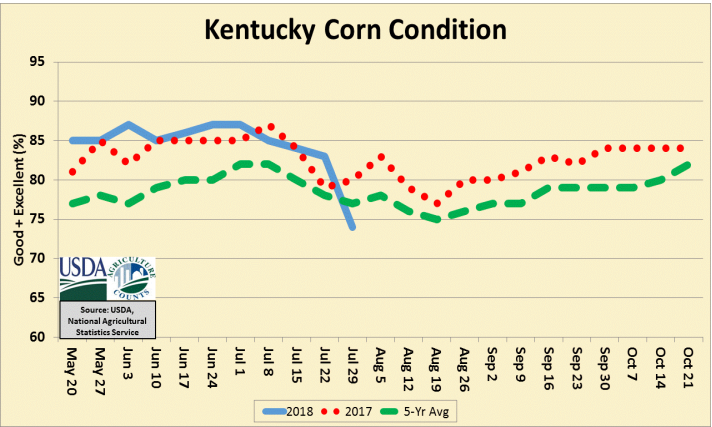
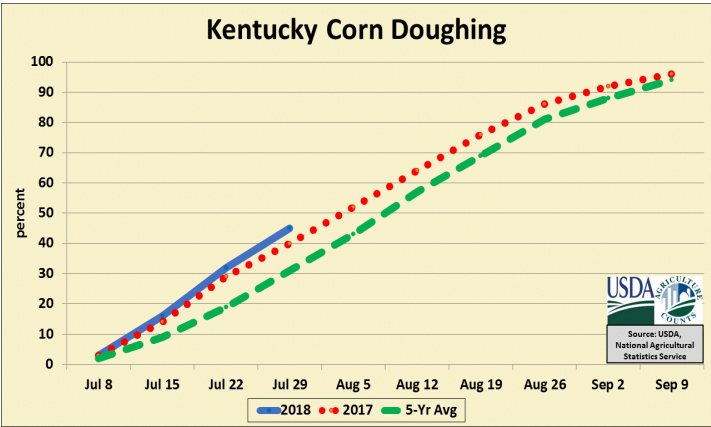
Crop	Very Poor	Poor	Fair	Good	Excellent
	%	%	%	%	%
Corn	1	5	20	62	12
Hay	1	5	31	55	8
Livestock	1	3	19	66	11
Pasture	2	8	25	56	9
Soybeans	2	4	18	66	10
Tobacco Set	2	7	23	60	8

Kentucky Soybeans Blooming



Kentucky Soybean Condition





Kentucky Climate Summary
For the Period July 23, 2018 to July 29, 2018

Below Normal Temperatures and Rainfall:

Rainfall was minimal for most of the state over the course of the period. Other than a few rounds of isolated to scattered showers/storms through the workweek, high pressure kept the area dry. The state only averaged 0.18 inches and that number diminished to less than a tenth of an inch across Western and Central Kentucky. Western Kentucky missed out on much of the precipitation the week beforehand and has now gone two straight weeks with well below normal rainfall. This has pushed portions of far Western Kentucky into the 'Abnormally Dry' category by the US Drought Monitor. While it was dry, Kentucky continued to benefit from a break in temperatures and humidity. An upper level disturbance provided plenty of cloud cover early in the week to keep temperatures in the middle 70s to middle 80s. While increasing midweek, a cold front again brought temperatures and humidity back to seasonably cool and comfortable conditions for the weekend.

Temperatures for the period averaged 73 degrees across the state which was 4 degrees cooler than normal and 4 degrees cooler than the previous period. High temperatures averaged from 86 in the West to 83 in the East. Departure from normal high temperatures ranged from 3 degrees cooler than normal in the West to 4 degrees cooler than normal in the East. Low temperatures averaged from 64 degrees in the West to 63 degrees in the East. Departure from normal low temperatures ranged from 3 degrees cooler than normal in the West to 1 degree cooler than normal in the East. The extreme high temperature for the period was 95 degrees at POPLAR BLUFF ASOS and the extreme low was 54 degrees at MOREHEAD 4NE.

Precipitation (liq. equ.) for the period totaled 0.18 inches statewide which was 0.79 inches below normal and 19% of normal. Precipitation totals by climate division, West 0.06 inches, Central 0.02 inches, Bluegrass 0.23 inches and East 0.41 inches, which was 0.87, 0.96, 0.74 and 0.6 inches below normal. By station, precipitation totals ranged from a low of 0.00 inches at BOWLING GREEN APT to a high of 2.32 inches at RICHMOND 8E.

KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 07/29/18 4 p.m.

Weather Station	Rainfall			Deviation From		Air Temperatures				Growing Degree Days		
	Last Week	Since Apr 1	Last Four Wks.	Norm. Since Apr 1	Norm. Last 4 Wks.	High	Low	Wkly. Avg.	Dev. From Norm.	Last Week	Since Apr 1	Dev. Since Apr 1
	Inches	Inches	Inches	Inches	Inches	Degrees F	Degrees F	Degrees F	Degrees F	Degrees F	Degrees F	Degrees F
Bardstown	0.01	17.52	3.08	0.83	-1.44	87	52	71	-5	150	2,348	165
Berea	2.32	24.46	6.01	7.31	2.02	85	56	71	-4	148	2,193	-38
Bowling Green	0.00	13.40	1.95	-4.46	-2.33	90	62	77	1	190	2,715	447
Bristol	0.38	17.93	3.35	3.20	-0.55	88	62	74	-1	166	2,268	207
Buckhorn Lake	0.00	17.18	3.17	0.64	-1.20	84	58	72	-3	154	2,275	300
Cape Girardeau	0.04	19.17	1.31	2.77	-1.89	91	63	76	-2	186	2,665	283
Campbellsville	0.00	15.97	1.01	-3.14	-3.84	85	59	72	-4	156	2,258	49
Covington	0.01	13.59	2.76	-2.25	-1.07	88	59	73	-2	160	2,366	346
Cumberland Gap	0.15	20.32	5.82	2.24	1.06	85	59	73	-2	164	2,280	234
Dix Dam	0.02	21.20	2.80	3.93	-1.68	86	58	73	-2	158	2,304	134
Evansville	0.00	19.88	1.16	3.84	-2.49	90	60	76	-2	180	2,570	311
Glasgow	0.00	17.75	3.42	-1.43	-1.38	86	59	73	-3	163	2,434	245
Grayson	2.25	26.58	6.48	10.30	2.09	85	54	72	-3	152	2,182	267
Hardinsburg	0.00	16.54	1.23	-0.89	-3.08	90	59	75	-1	172	2,474	192
Henderson	0.04	14.96	0.73	-1.47	-2.96	88	58	74	-4	172	2,600	291
Huntington	0.32	15.96	4.01	-0.21	-0.44	87	59	74	-1	168	2,324	246
Jackson	0.21	19.12	3.92	1.81	-0.82	87	60	74	-1	166	2,384	409
Lexington	0.10	20.06	3.93	3.37	-0.59	87	59	74	-1	166	2,429	331
London	1.56	23.81	6.78	7.56	2.48	86	58	73	-2	162	2,336	254
Louisville	0.00	18.82	4.12	2.29	0.05	90	65	76	0	186	2,749	507
Mayfield	0.00	17.19	1.48	-0.44	-2.58	89	64	76	-2	181	2,593	276
Nashville	0.00	10.84	0.08	-5.69	-3.51	93	62	76	0	181	2,679	254
Nolin Lake	0.21	17.42	4.09	-1.23	-0.47	92	61	75	-1	174	2,520	432
Paducah	0.00	18.59	1.11	0.67	-2.67	91	63	77	-1	188	2,753	404
Princeton	0.26	19.94	2.55	2.32	-1.32	89	61	75	-3	172	2,550	206
Quicksand	0.04	19.64	4.42	2.33	-0.32	87	60	74	-1	168	2,277	302
Somerset	0.02	23.72	4.75	5.49	0.33	84	58	72	-3	152	2,253	139
Spindletop	0.03	26.27	4.43	9.58	-0.09	88	59	74	-1	165	2,407	309
Williamstown	0.00	20.25	3.12	3.68	-0.97	84	56	71	-4	146	2,192	136

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859) 218-4364.